

Rec'd PET/PTO 10 JUN 2005

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

ATTORNEY'S

DOCKET NUMBER

10008.007

(Includes Reference to PCT International Applications)

10/538694

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Hydrogen Diffusion Barrier on Steel by Means of a Pulsed-Plasma Ion-Nitriding Process ✓

the specification of which (check only one item below):

is attached hereto.

was filed as United States application

Serial No.

on _____

and was amended

on _____ (if applicable).

was filed as PCT international application

Number PCT/BR2003/000169

PCT/BR2003/00169

on 19 November 2003 ✓

and was amended under PCT Article 19

on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR FOREIGN/PCT APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

COUNTRY (if PCT, indicate "PCT")	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
BR	PI 0205419-1 ✓	20 December 2002 ✓	YES

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued)

ATTORNEY'S

DOCKET NUMBER

(Includes Reference to PCT International Applications)

10/538694

10008.007

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT

UNDER 35 U.S.C. 120:

U.S. APPLICATIONS STATUS (CHECK ONE)

U.S. APPLICATION NUMBER U.S. FILING DATE PATENTED PENDING ABANDONED

PCT APPLICATIONS DESIGNATING THE U.S.

PCT APPLICATION NO. PCT FILING DATE U.S. SERIAL NUMBERS

BR/2003/000169

19 November 2003

ASSIGNED (IF ANY) COPPE/UF RJ Coordenação dos Programas de Pós Graduação de Engenharia da Universidade Federal do Rio de Janeiro.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Christopher J. Fildes 32,132; Robert J. Outland 22,197

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201

SIGNATURE OF INVENTOR 202

DATE

DATE

COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued)

ATTORNEY'S

DOCKET NUMBER

(Includes Reference to PCT International Applications)

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SIGNATURE OF INVENTOR 203

SIGNATURE OF INVENTOR 204

DATE 04/05/05

DATE